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ning of each regular issue of the PCT Gazette.*

(54) Title: INJECTABLE SOLID HYALURONIC ACID CARRIERS FOR DELIVERY OF OSTEOGENIC PROTEINS

(57) Abstract: An injectable or implantable rod-shaped formulation is disclosed for delivery of osteogenic proteins. The formu-
lation comprises hyaluronic acid derivatives and osteogenic proteins, and optional excipients and active ingredients such as a bone
resorption inhibitor. Methods of making injectable rod-shaped pharmaceutical compositions and methods of using the osteogenic
compositions to treat osteoporotic and/or osteopenic bone are also disclosed.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 38/18, 38/16; A61F 2/02 US CL : 424/409, 418, 423; 514/12, 8, 21 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/409, 418, 423; 514/12, 8, 21 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,939,323 A (VALENTINI et al.) 17 August 1999 (17.08.1999), see entire document.	1-13, 49-71
Y	US 6,187,742 B1 (WOZNEY et al.) 13 February 2001 (13.02.2001), see entire document.	1-13, 49-71
Y	US 3,955,719 A (PHEULPIN) 11 May 1976 (11.05.1976), see abstract.	1-13, 49-71
Y	US 4,758,233 A (PHILLIPS et al.) 19 July 1988 (19.07.1988), see column 1, lines 4-8.	1-13, 49-71
Y	US 4,784,055 A (LANGEN et al.) 15 November 1988 (15.11.1988), see abstract.	1-13, 49-71
Y	US 5,118,667 A (ADAMS et al.) 02 June 1992 (02.06.1992), see entire document.	1-13, 49-71
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Jon P Weber, Ph.D. <i>J. D. R. for</i> Telephone No. 571-272-0700

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Continuation of B. FIELDS SEARCHED Item 3:

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